

Water-Data Report 2008

07094500 ARKANSAS RIVER AT PARKDALE, CO

Upper Arkansas Basin
Arkansas Headwaters Subbasin

LOCATION.--Lat 38°29'14", long 105°22'23" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.18, T.18 S., R.71 W., Fremont County, CO, Hydrologic Unit 11020001, on left bank at Parkdale, 100 ft upstream from Bumback Gulch, 300 ft upstream from bridge on U.S. Highway 50, and 0.9 mi upstream from Copper Gulch.

DRAINAGE AREA.--2,548 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1945 to September 1955, October 1964 to September 1994, April 1995 to current year (seasonal records only). Monthly discharge only for October 1945 to May 1946, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 5,720 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1964, at site 600 ft downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by transbasin and transmountain diversions, storage reservoirs, power development, ground-water withdrawals, diversions for irrigation and municipal use, return flows from irrigated areas, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge (occurred during period of seasonal record), 6,830 ft³/s, June 18, 1995, gage height, 8.82 ft, from rating curve extended above 6,050 ft³/s; maximum gage height, 9.13 ft, June 9, 1985; minimum daily (occurred during period of seasonal record), 187 ft³/s, Sept. 17, 2002.

EXTREMES FOR CURRENT YEAR.--(seasonal only) Maximum discharge, 4,310 ft³/s, June 20, gage height, 6.98 ft; minimum daily, 354 ft³/s, Sept. 30.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	704	820	3,220	3,710	928	482
2	---	---	---	---	---	---	682	755	3,590	3,520	877	494
3	---	---	---	---	---	---	650	625	3,890	3,520	836	469
4	---	---	---	---	---	---	651	540	4,040	3,360	839	436
5	---	---	---	---	---	---	682	523	3,890	3,210	814	414
6	---	---	---	---	---	---	748	464	3,370	3,200	818	420
7	---	---	---	---	---	---	742	681	2,680	3,070	911	408
8	---	---	---	---	---	---	745	1,030	2,620	2,840	1,030	405
9	---	---	---	---	---	---	731	1,240	2,640	2,440	987	406
10	---	---	---	---	---	---	772	1,250	2,730	2,060	929	391
11	---	---	---	---	---	---	801	1,220	2,630	1,850	878	384
12	---	---	---	---	---	---	783	1,170	2,590	1,770	822	397
13	---	---	---	---	---	---	781	1,240	2,350	1,840	797	433
14	---	---	---	---	---	---	787	1,320	2,410	1,770	790	433
15	---	---	---	---	---	---	810	1,260	2,760	1,720	756	407
16	---	---	---	---	---	---	781	1,310	3,160	1,790	799	387
17	---	---	---	---	---	---	774	1,300	3,350	1,740	870	376
18	---	---	---	---	---	---	753	1,350	3,830	1,750	843	369
19	---	---	---	---	---	---	748	1,510	4,060	1,690	802	364
20	---	---	---	---	---	---	759	1,610	4,180	1,600	710	383
21	---	---	---	---	---	---	792	1,810	4,150	1,570	622	383
22	---	---	---	---	---	---	792	2,090	4,070	1,550	587	378
23	---	---	---	---	---	---	803	1,920	4,020	1,560	589	369
24	---	---	---	---	---	---	845	1,810	3,850	1,700	594	366
25	---	---	---	---	---	---	865	1,710	3,560	1,750	596	367
26	---	---	---	---	---	---	849	1,600	3,650	1,510	582	369
27	---	---	---	---	---	---	798	1,460	3,310	1,320	553	369
28	---	---	---	---	---	---	773	1,620	3,430	1,190	502	363
29	---	---	---	---	---	---	776	2,100	3,430	1,150	476	362
30	---	---	---	---	---	---	800	2,630	3,620	1,090	480	354
31	---	---	---	---	---	---	---	2,890	---	1,010	465	---
Total	---	---	---	---	---	---	22,977	42,858	101,080	63,850	23,082	11,938
Mean	---	---	---	---	---	---	766	1,383	3,369	2,060	745	398
Max	---	---	---	---	---	---	865	2,890	4,180	3,710	1,030	494
Min	---	---	---	---	---	---	650	464	2,350	1,010	465	354
Ac-ft	---	---	---	---	---	---	45,570	85,010	200,500	126,600	45,780	23,680

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